Concept	Competencies	Grade Level
		Vocabulary
Ratios, Proportions	Compute unit rates associated with ratios of fractions.	Ratios and Proportional Relationships
and Percent	Recognize and represent proportional relationships between quantities.	unit rates, ratios, proportional relationships, proportions, constant of proportionality, complex fractions
	Use proportional relationships to solve multistep ratio and percent problems. (CC.2.1.7.D.1)	
Rational Numbers	Solve real-world and mathematical problems involving the four operations with rational numbers. (CC.2.1.7.E.1)	proportional relationships, percent, simple interest rate, principal, tax, discount, markup, markdown, gratuity, commissions, fees, percent of error
Algebraic expressions and equations	Model and solve real world and mathematical problems using multiple representations such as algebraic, graphical and using tables	The Number System
	Solve multi-step equations or inequalities with one variable.	rational numbers, integers, additive inverse
	Solve and interpret multi-step real life and mathematical problems posed with positive and negative rational numbers.	Expressions and Equations coefficients, like terms, distributive property, factor
	Apply properties of operations to generate equivalent expressions. (CC.2.2.7.B.1) (CC.2.2.7.B.3)	numeric expressions, algebraic expressions,

Concept	Competencies	Grade Level
		Vocabulary
Area, surface	Use properties of angle types and properties of	maximum, minimum
area, volume, angle measure.	angles formed when two parallel lines are cut by a transversal line to solve problems.	Geometry
circumference	Solve problems involving area and circumference of a circle(s).	scale drawing, dimensions, scale factor, plane sections, right rectangular prism, right
Geometric	Solve mathematical problems involving area, volume and surface area of two- and three- dimensional objects. (CC.2.3.7.A.1)	rectangular pyramids, parallel, perpendicular, scalene triangle, obtuse triangle, equilateral triangle
inguies	Solve problems involving scale drawings of geometric figures.	area, surface area, and volume inscribed, circumference, radius,
	Apply the properties of all types of triangles based on angle and side measure including the triangle inequality theorem.	diameter, pi, \prod , supplementary, vertical, adjacent, complementary, pyramids, face, base
	Describe the two-dimensional figures that result from slicing three-dimensional figures. (CC.2.3.7.A.2)	Statistics and Probability
Data, distributions and random	Draw inferences about two populations based on random sampling concepts.	population, representative sample, inferences
sampling	Determine and approximate relative frequencies and probabilities of events.	variation/variability distribution, measures of
	Find the probability of a simple event, including the probability of a simple event not occurring.	center, measures of variability
Probability	Draw informal comparative inferences about two populations using measures of center and measures of variability. (CC.2.4.7.B.1) (CC.2.4.7.B.2)	sample spaces
	Find probabilities of independent compound events.	
	Predict the approximate relative frequency given the probability. (CC.2.4.7.B.3)	